

d his

(FILE 'HOME' ENTERED AT 11:34:20 ON 12 MAR 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE' ENTERED AT 11:34:33 ON 12 MAR 2003

L1	2533721 S (RECEPTOR?)
L2	4848 S L1 AND RANTES
L3	97 S L2 AND CELL? TYPE
L4	51 DUP REM L3 (46 DUPLICATES REMOVED)
L5	8 S L4 AND REVIEW
L6	175 S RANTES RECEPTOR
L7	4 S L6 AND CELL TYPE
L8	5 S L6 AND REVIEW

=> d 1-5 bib ab

L8 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:24984 CAPLUS  
DN 126:73419  
TI RANTES receptors: Diversity in structure and function  
AU Schall, Thomas J.; Bacon, Kevin  
CS Department Immunology, DNAX Research Institute, Palo Alto, CA, USA  
SO Biology of the Chemokine RANTES (1995), 69-86. Editor(s): Krensky, Alan M. Publisher: Landes, Austin, Tex.  
CODEN: 63UEA5  
DT Conference; General Review  
LA English  
AB A **review**, with 40 refs., discussing the interaction of RANTES with its cell surface receptor, mechanisms of RANTES that are common with other chemokines, and the mode of action of RANTES.

L8 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS  
AN 1995:480066 CAPLUS  
DN 122:237130  
TI Mechanism of leukocyte chemotaxis  
AU Kasahara, Tadashi; Takahashi, Masafumi  
CS Jichi Med. Sch., Tochigi, 329-04, Japan  
SO Igaku no Ayumi (1995), 172(9), 610-15  
CODEN: IGAYAY; ISSN: 0039-2359  
PB Ishiyaku  
DT Journal; General Review  
LA Japanese  
AB A **review**, with 18 refs., on the structures of chemokine receptors, interleukin 8 receptor, MIP-1.alpha./**RANTES receptor**, and MCP-1 receptor, signal transduction from chemokine to morphol. changes and chemotaxis, and activation of neutrophils. The mechanism of leukocyte adhesion to vessel endothelial cells and transendothelial migration for exudation is discussed including the participation of adhesion mols. and chemokines.

L8 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS  
AN 1994:678188 CAPLUS  
DN 121:278188  
TI Impact of receptor sharing, receptor regulation and adhesion molecules on chemokine actions  
AU Oppenheim, J.; Lloyd, A.; Taub, D.; Wang, J. M.; Kelvin, D.  
CS Laboratory Molecular Immunoregulation, National Cancer Institute, Frederick, MD, 21702-1201, USA  
SO Challenges of Modern Medicine (1994), 3(MOLECULAR BASIS OF INFLAMMATION), 33-44  
CODEN: CHMME3  
DT Journal; General Review  
LA English  
AB A **review**, with 18 refs., discussing sharing of the type II interleukin-8 receptor, regulation of receptor expression, chemokines targeting mononuclear cells, **RANTES receptor** sharing, chemokines inducing T-cell/endothelium adhesion, chemokines inducing T-cell adhesion to integrins, and chemokines promoting T-cell matrix adhesion.

L8 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS  
AN 1994:455338 CAPLUS  
DN 121:55338  
TI Chemokine receptors and molecular mimicry  
AU Ahuja, Sunil K.; Gao, Ji Liang; Murphy, Philip M.

CS Lab. Host Defenses, Natl. Inst. Allergy Infect. Dis., Bethesda, MD, 20892, USA  
SO Immunology Today (1994), 15(6), 281-7  
CODEN: IMTOD8; ISSN: 0167-4919  
DT Journal; General Review  
LA English

AB A **review** and discussion with 42 refs. Chemokines are small pro-inflammatory peptides that are best known for their leukocyte-chemoattractant activity. The cloned leukocyte chemokine receptors, interleukin 8 receptor (IL-8R) types A and B and the macrophage inflammatory protein 1.alpha. (MIP-1.alpha.)/**RANTES receptor**, are related by sequence and chemokine binding to two herpesvirus products, and to the Duffy antigen that mediates erythrocyte invasion by the malaria-causing parasite Plasmodium vivax. In addn. to the activation of leukocytes, chemokines may be important in the function of erythrocytes and, through mol. mimicry, in microbial pathogenesis.

L8 ANSWER 5 OF 5 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.

AN 94163088 EMBASE

DN 1994163088

TI Chemokine receptors and molecular mimicry.

AU Ahuja S.K.; Gao J.-L.; Murphy P.M.

CS Laboratory of Host Defenses, Nat.Inst.Allergy/Infectious Diseases, NIH, Bethesda, MD 20892, United States

SO Immunology Today, (1994) 15/6 (281-287).  
ISSN: 0167-5699 CODEN: IMTOD8

CY United Kingdom

DT Journal; General Review

FS 004 Microbiology

026 Immunology, Serology and Transplantation

LA English

SL English

AB Chemokines are small pro-inflammatory peptides that are best known for their leukocyte-chemoattractant activity. The cloned leukocyte chemokine receptors, interleukin 8 receptor (IL-8R) types A and B and the macrophage inflammatory protein 1.alpha. (MIP-1.alpha.)/**RANTES receptor**, are related by sequence and chemokine binding to two herpesvirus products, and to the Duffy antigen that mediates erythrocyte invasion by the malaria-causing parasite Plasmodium vivax. Here, Sunil Ahuja, Ji-Liang Gao and Philip Murphy suggest that, in addition to the activation of leukocytes, chemokines may be important in the function of erythrocytes and, through molecular mimicry, in microbial pathogenesis.